

Result No.	Score	Query Match	Length	DB	ID	Description
1	1885	100.0	317	9	US-09-813-329-7	Sequence 7, Appl
2	1885	100.0	317	9	US-09-877-856-13	Sequence 13, Appl
3	1885	100.0	317	9	US-09-877-850-13	Sequence 13, Appl
4	1885	100.0	317	12	US-10-289-456-79	Sequence 79, Appl
5	1885	100.0	317	12	US-10-202-063-22	Sequence 22, Appl
6	1885	100.0	317	14	US-10-218-547-22	Sequence 22, Appl
7	1685	100.0	317	14	US-10-405-878-13	Sequence 13, Appl
8	1685	100.0	317	14	US-10-167-183-11	Sequence 11, Appl
9	1685	100.0	317	14	US-10-310-793-28	Sequence 28, Appl
10	1685	100.0	317	15	US-10-360-623-11	Sequence 11, Appl
11	1422	84.4	270	12	US-10-289-456-80	Sequence 80, Appl
12	1417.5	84.1	316	10	US-09-079-563-7	Sequence 7, Appl
13	1417.5	84.1	316	10	US-09-873-828-4	Sequence 4, Appl
14	1417.5	84.1	316	13	US-10-017-910-4	Sequence 4, Appl
15	1417.5	84.1	316	14	US-10-105-051-2	Sequence 2, Appl

Db 181 KVSLSWYHGRGAKISNMTFSNGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240  
Qy 241 YVTKTSIKIPSSHTLMKGGSTKYWGNSEPHFYSINVGFFKLRSGEESIEVSNPSLLD 300  
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWGNSEPHFYSINVGFFKLRSGEESIEVSNPSLLD 300  
Qy 301 PQDATYFGAFKVRDID 317  
Db 301 PQDATYFGAFKVRDID 317

RESULT 2  
US-09-871-856-13  
; Sequence 13, Application US/09871856  
; Patent No. US20020081720A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Dirk M.  
; Maraskovsky, Eugene  
; Galibert, Laurent  
; TITLE OF INVENTION: Receptor Activator of NF-kappaB  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation, Law Department  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Power Macintosh  
; OPERATING SYSTEM: Apple Operating System 7.5.5  
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/871,856  
; FILING DATE: 31-May-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/996,139  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: USSN 08/813,509  
; FILING DATE: 07 MARCH 1997  
; APPLICATION NUMBER: USSN 08/772,330  
; FILING DATE: 23 DECEMBER 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perkins, Patricia Anne  
; REGISTRATION NUMBER: 34,693  
; REFERENCE/DOCKET NUMBER: 2851-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 317 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-871-856-13

Query Match 100.0%; Score 1685; DB 9; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRRASRDYTKYLRGSEMGGPGAPHEGLHAPPPAPHPAPPAASRSMFVALLGLGQV 60  
Db 1 MRRASRDYTKYLRGSEMGGPGAPHEGLHAPPPAPHPAPPAASRSMFVALLGLGQV 60  
Qy 61 VCSVALFFFRQAMPNRISEDTGTCIYRILHLENADFDQTTLESQDTKLIPDSCKRIK 120  
Db 61 VCSVALFFFRQAMPNRISEDTGTCIYRILHLENADFDQTTLESQDTKLIPDSCKRIK 120

Qy 121 QAFQAVQKELQHVSGHRAERAMVDGSLDLAKSKLEAQPFAHLTINATIPSGSH 180  
Db 121 QAFQAVQKELQHVSGHRAERAMVDGSLDLAKSKLEAQPFAHLTINATIPSGSH 180  
Qy 181 KVSLSWYHGRGAKISNMTFSNGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240  
Db 181 KVSLSWYHGRGAKISNMTFSNGKLIYNQDGFYLLYANICFRHHETSGDLATEYLQLMV 240  
Qy 241 YVTKTSIKIPSSHTLMKGGSTKYWGNSEPHFYSINVGFFKLRSGEESIEVSNPSLLD 300  
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWGNSEPHFYSINVGFFKLRSGEESIEVSNPSLLD 300  
Qy 301 PQDATYFGAFKVRDID 317  
Db 301 PQDATYFGAFKVRDID 317

RESULT 3  
US-09-877-650-13  
; Sequence 13, Application US/09877650  
; Patent No. US20020169117A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Dirk M.  
; Galibert, Laurent  
; Maraskovsky, Eugene  
; TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation, Law Department  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Apple Power Macintosh  
; OPERATING SYSTEM: Apple Operating System 7.5.5  
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/877,650  
; FILING DATE: 08-Jun-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/995,659  
; FILING DATE: 1997-12-22  
; APPLICATION NUMBER: USSN 08/813,509  
; FILING DATE: 07 MARCH 1997  
; APPLICATION NUMBER: USSN 08/772,330  
; FILING DATE: 23 DECEMBER 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perkins, Patricia Anne  
; REGISTRATION NUMBER: 34,693  
; REFERENCE/DOCKET NUMBER: 2852-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206)587-0430  
; TELEFAX: (206)233-0644  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 317 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-877-650-13

Query Match 100.0%; Score 1685; DB 9; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MRRASRDYTKYLRGSEMGGPGAPHEGLHAPPPAPHPAPPAASRSMFVALLGLGQV 60  
Db 1 MRRASRDYTKYLRGSEMGGPGAPHEGLHAPPPAPHPAPPAASRSMFVALLGLGQV 60

QY 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
Db 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
QY 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
Db 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
Db 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300  
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300  
QY 301 PQDATYFGAFKVRDID 317  
Db 301 PQDATYFGAFKVRDID 317

## RESULT 4

US-10-289-456-79

; Sequence 79, Application US/10289456

; Publication No. US20040033211A1

; GENERAL INFORMATION:

; APPLICANT: Bachmann, Martin

; APPLICANT: Maurer, Patrick

; APPLICANT: Spohn, Gunther

; TITLE OF INVENTION: Antigen Arrays for Treatment of Bone Disease

; FILE REFERENCE: 1700.0330001

; CURRENT APPLICATION NUMBER: US/10/289,456

; CURRENT FILING DATE: 2002-11-07

; PRIOR APPLICATION NUMBER: PCT/IB02/00166

; PRIOR FILING DATE: 2002-01-21

; PRIOR APPLICATION NUMBER: US 10/050,902

; PRIOR FILING DATE: 2002-01-18

; PRIOR APPLICATION NUMBER: US 60/396,635

; PRIOR FILING DATE: 2002-07-19

; PRIOR APPLICATION NUMBER: US 60/331,045

; PRIOR FILING DATE: 2001-11-07

; NUMBER OF SEQ ID NOS: 170

; SOFTWARE: Patent in version 3.2

; SEQ ID NO 79

; LENGTH: 317

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-289-456-79

Query Match 100.0%; Score 1685; DB 12; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRSGEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60  
Db 1 MRRASRDYTKYLRSGEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60  
QY 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
Db 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
QY 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
Db 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
Db 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300  
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300

QY 301 PQDATYFGAFKVRDID 317  
Db 301 PQDATYFGAFKVRDID 317

## RESULT 5

US-10-202-062-22

; Sequence 22, Application US/10202062

; Publication No. US20040038349A1

; GENERAL INFORMATION:

; APPLICANT: Human Genome Sciences, Inc.,

; TITLE OF INVENTION: Heteromultimeric TNF Ligand Family members

; FILE REFERENCE: PF559

; CURRENT APPLICATION NUMBER: US/10/202,062

; CURRENT FILING DATE: 2002-07-25

; PRIOR APPLICATION NUMBER: 60/307,838

; PRIOR FILING DATE: 2001-07-27

; NUMBER OF SEQ ID NOS: 42

; SOFTWARE: Patent in version 3.0

; SEQ ID NO 22

; LENGTH: 317

; TYPE: PRT

; ORGANISM: human

US-10-202-062-22

Query Match 100.0%; Score 1685; DB 12; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRSGEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60  
Db 1 MRRASRDYTKYLRSGEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60  
QY 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
Db 61 VCSVALFFYFRAQMDPNRISDGTGTCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120  
QY 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
Db 121 QAFQGAQVQKELQHVQSGHRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
Db 181 KVSLSWYHVRGWAQKSNMTFNSGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300  
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSGFHYSINVGFFKLRSGEEISIEVSNPSLLD 300

## RESULT 6

US-10-218-547-22

; Sequence 22, Application US/10218547

; Publication No. US20030100074A1

; GENERAL INFORMATION:

; APPLICANT: Human Genome Sciences, Inc.,

; TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases

; FILE REFERENCE: PF561

; CURRENT APPLICATION NUMBER: US/10/218,547

; CURRENT FILING DATE: 2002-08-15

; PRIOR APPLICATION NUMBER: 60/312,542

; PRIOR FILING DATE: 2001-08-16

; PRIOR APPLICATION NUMBER: 60/330,761

; PRIOR FILING DATE: 2001-10-30

; NUMBER OF SEQ ID NOS: 57

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 22

LENGTH: 317  
TYPE: PRT  
ORGANISM: human  
US-10-218-547-22

Query Match 100.0%; Score 1685; DB 14; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGQV 60  
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGQV 60

QY 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFOQTTLSDTKLIPDSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFOQTTLSDTKLIPDSRRIK 120

QY 121 QAFQGAQVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAQPPFAHLTINATDIPSGSH 180  
DB 121 QAFQGAQVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAQPPFAHLTINATDIPSGSH 180

QY 181 KVSLSWYHDSRWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHDSRWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240

QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGPFKLSGEEISIEVNSPILD 300  
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGPFKLSGEEISIEVNSPILD 300

QY 301 PQDQATYFGAFKVRDID 317  
DB 301 PQDQATYFGAFKVRDID 317

RESULT 7

US-10-405-878-13  
Sequence 13, Application US/10405878  
Publication No. US20030175840A1  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
Galibbert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/405,878  
FILING DATE: 01-Apr-2003  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-10-405-878-13

Query Match 100.0%; Score 1685; DB 14; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGQV 60  
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGQV 60

QY 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFOQTTLSDTKLIPDSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFOQTTLSDTKLIPDSRRIK 120

QY 121 QAFQGAQVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAQPPFAHLTINATDIPSGSH 180  
DB 121 QAFQGAQVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAQPPFAHLTINATDIPSGSH 180

QY 181 KVSLSWYHDSRWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHDSRWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240

QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGPFKLSGEEISIEVNSPILD 300  
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGPFKLSGEEISIEVNSPILD 300

QY 301 PQDQATYFGAFKVRDID 317  
DB 301 PQDQATYFGAFKVRDID 317

RESULT 8

US-10-167-182-11  
Sequence 11, Application US/10167182  
Publication No. US20030176647A1  
GENERAL INFORMATION:  
APPLICANT: Yamaguchi, Kyoji  
APPLICANT: Yasuda, Hisataka  
APPLICANT: Nakagawa, No. US20030176647A1uaki  
APPLICANT: Shima, No. US20030176647A1uuyuki  
APPLICANT: Kinoshita, Masahiko  
APPLICANT: Tsuda, Eisuke  
APPLICANT: Goto, Masaaki  
APPLICANT: Yano, Kazuki  
APPLICANT: Tomoyasu, Akihiro  
APPLICANT: Kobayashi, Fumie  
APPLICANT: Washida, Naohiro  
APPLICANT: Takahashi, Ken  
APPLICANT: Morinaga, Tomonori  
APPLICANT: Higashio, Kanji  
TITLE OF INVENTION: Antibodies to OCIF-binding Molecules  
FILE REFERENCE: FUN-070DV  
CURRENT APPLICATION NUMBER: US/10/167,182  
CURRENT FILING DATE: 2002-06-11  
PRIOR APPLICATION NUMBER: US 09/202,455  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: JP 97808/1997  
PRIOR FILING DATE: 1997-04-15  
PRIOR APPLICATION NUMBER: JP 151434/1997  
PRIOR FILING DATE: 1997-06-09  
PRIOR APPLICATION NUMBER: JP 217897/1997  
PRIOR FILING DATE: 1997-08-12  
PRIOR APPLICATION NUMBER: JP 224803/1997

;; PRIOR FILING DATE: 1997-08-21  
;; PRIOR APPLICATION NUMBER: JP 332241/1997  
;; PRIOR FILING DATE: 1997-12-02  
;; PRIOR APPLICATION NUMBER: WO PCT/JP98/01728  
;; PRIOR FILING DATE: 1998-04-15  
;; NUMBER OF SEQ ID NOS: 19  
;; SOFTWARE: Patent In Ver. 2.0  
;; SEQ ID NO 11  
;; LENGTH: 317  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-167-182-11

Query Match 100.0%; Score 1685; DB 14; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLAPPPAPHPQPPAASRMFVALLGLGQV 60  
DB 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLAPPPAPHPQPPAASRMFVALLGLGQV 60  
QY 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120  
QY 121 QAFQAVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAOPFAHLTINATDIPSGSH 180  
DB 121 QAFQAVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAOPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300  
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300  
QY 301 PQDATYFGAFKVRDID 317  
DB 301 PQDATYFGAFKVRDID 317

RESULT 9  
US-10-310-793-28  
;; Sequence 28, Application US/10310793  
;; Publication No. US20030198640A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Yu, Guo-Liang  
;; APPLICANT: Ni, Jian  
;; APPLICANT: Rosen, Craig A  
;; APPLICANT: Zhang, Jun  
;; APPLICANT: Wei, Ping  
;; TITLE OF INVENTION: Methods And Compositions For Treating Inflammatory Bowel Diseases  
;; FILE REFERENCE: PF573  
;; CURRENT APPLICATION NUMBER: US/10/310,793  
;; CURRENT FILING DATE: 2002-12-06  
;; PRIOR APPLICATION NUMBER: 60/336,695  
;; PRIOR FILING DATE: 2001-12-07  
;; PRIOR APPLICATION NUMBER: 10/226,294  
;; PRIOR FILING DATE: 2002-08-23  
;; PRIOR APPLICATION NUMBER: 60/314,381  
;; PRIOR FILING DATE: 2001-08-24  
;; PRIOR APPLICATION NUMBER: 09/899,059  
;; PRIOR FILING DATE: 2001-07-06  
;; PRIOR APPLICATION NUMBER: 60/278,449  
;; PRIOR FILING DATE: 2001-03-26  
;; PRIOR APPLICATION NUMBER: 60/216,879  
;; PRIOR FILING DATE: 2000-07-07  
;; PRIOR APPLICATION NUMBER: 09/559,290  
;; PRIOR FILING DATE: 2000-04-27  
;; PRIOR APPLICATION NUMBER: 60/180,908  
;; PRIOR FILING DATE: 2000-02-08

;; PRIOR APPLICATION NUMBER: 60/134,067  
;; PRIOR FILING DATE: 1999-05-13  
;; PRIOR APPLICATION NUMBER: 60/132,227  
;; PRIOR FILING DATE: 1998-05-03  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 71  
;; SOFTWARE: Patent In version 3.1  
;; SEQ ID NO 28  
;; LENGTH: 317  
;; TYPE: PRT  
;; ORGANISM: human  
US-10-310-793-28

Query Match 100.0%; Score 1685; DB 14; Length 317;  
Best Local Similarity 100.0%; Pred. No. 1.3e-155;  
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLAPPPAPHPQPPAASRMFVALLGLGQV 60  
DB 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLAPPPAPHPQPPAASRMFVALLGLGQV 60  
QY 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120  
DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120  
QY 121 QAFQAVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAOPFAHLTINATDIPSGSH 180  
DB 121 QAFQAVQKELQHVSGHRAEKAMVDGSLDLAKSKLEAOPFAHLTINATDIPSGSH 180  
QY 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240  
DB 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240  
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300  
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300  
QY 301 PQDATYFGAFKVRDID 317  
DB 301 PQDATYFGAFKVRDID 317

RESULT 10  
US-10-460-623-11  
;; Sequence 11, Application US/10460623  
;; Publication No. US20030208045A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Yamaguchi, Kyoji  
;; APPLICANT: Yasuda, Hisataka  
;; APPLICANT: Nakagawa, No. US20030208045A1uaki  
;; APPLICANT: Shima, No. US20030208045A1uyuki  
;; APPLICANT: Kinoshita, Masahiko  
;; APPLICANT: Tsuda, Eisuke  
;; APPLICANT: Goto, Masaki  
;; APPLICANT: Yano, Kazuki  
;; APPLICANT: Tomoyasu, Akihiro  
;; APPLICANT: Kobayashi, Fumie  
;; APPLICANT: Washida, Naohiro  
;; APPLICANT: Takahashi, Ken  
;; APPLICANT: Morinaga, Tomonori  
;; APPLICANT: Higashio, Kanji  
;; TITLE OF INVENTION: No. US20030208045A1el Protein and Method for Producing the Pro  
;; FILE REFERENCE: FUN-070  
;; CURRENT APPLICATION NUMBER: US/10/460,623  
;; CURRENT FILING DATE: 2003-06-13  
;; PRIOR APPLICATION NUMBER: JP 97808/1997  
;; PRIOR FILING DATE: 1997-04-15  
;; PRIOR APPLICATION NUMBER: JP 151434/1997  
;; PRIOR FILING DATE: 1997-06-09  
;; PRIOR APPLICATION NUMBER: JP 217897/1997  
;; PRIOR FILING DATE: 1997-08-12  
;; PRIOR APPLICATION NUMBER: JP 224803/1997  
;; PRIOR FILING DATE: 1997-08-21

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; PRIOR APPLICATION NUMBER: JP 332241/1997
; PRIOR FILING DATE: 1997-12-02
; PRIOR APPLICATION NUMBER: WO PCT/JP98/01728
; PRIOR FILING DATE: 1998-04-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 317
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-460-623-11

Query Match
  Best Local Similarity 100.0%; Score 1685; DB 15; Length 317;
  Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLHAPPPHAPQPPAASRSMFVALIGLGLGV 60
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLHAPPPHAPQPPAASRSMFVALIGLGLGV 60

QY 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPDFTTLESQDTKLPDSCRRIK 120
DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPDFTTLESQDTKLPDSCRRIK 120

QY 121 QAQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
DB 121 QAQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180

QY 181 KVSLSWYHDSHGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
DB 181 KVSLSWYHDSHGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240

QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGSEHFIYINVGPFKLSRSGEISIEVNSPLD 300
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGSEHFIYINVGPFKLSRSGEISIEVNSPLD 300

QY 301 PDQDATYFGAFKVRDID 317
DB 301 PDQDATYFGAFKVRDID 317

RESULT 11
US-10-289-456-80
; Sequence 80, Application US/10289456
; Publication No. US20040033211A1
; GENERAL INFORMATION:
; APPLICANT: Bachmann, Martin
; APPLICANT: Maurer, Patrick
; APPLICANT: Spohn, Gunther
; TITLE OF INVENTION: Antigen Arrays for Treatment of Bone Disease
; FILE REFERENCE: 1700.0330001
; CURRENT APPLICATION NUMBER: US/10/289,456
; PRIOR FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: PCT/IB02/00166
; PRIOR FILING DATE: 2002-01-21
; PRIOR APPLICATION NUMBER: US 10/050,902
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/396,635
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US 60/331,045
; PRIOR FILING DATE: 2001-11-07
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 80
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-289-456-80

Query Match
  Best Local Similarity 84.4%; Score 1422; DB 12; Length 270;
  Matches 270; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 48 MFVALLGLGLGVVCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPDFTTLESQ 107
DB 1 MFVALLGLGLGVVCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPDFTTLESQ 60

QY 108 DTKLPDSCRRIKQAQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKRSKLEAOPFAH 167
DB 61 DTKLPDSCRRIKQAQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKRSKLEAOPFAH 120

QY 168 LTINATDIPSGSHKVSLSWYHDSHGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHET 227
DB 121 LTINATDIPSGSHKVSLSWYHDSHGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHET 180

QY 228 SGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGSEHFIYINVGPFKLSRSGE 287
DB 181 SGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGSEHFIYINVGPFKLSRSGE 240

QY 288 EISIEVNSPLDIPDQDATYFGAFKVRDID 317
DB 241 EISIEVNSPLDIPDQDATYFGAFKVRDID 270

RESULT 12
US-09-079-569-7
; Sequence 7, Application US/09079569
; Publication No. US20030104485A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91230-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/079,569
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/842,842
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-451
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 316 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-079-569-7

Query Match
  Best Local Similarity 84.1%; Score 1417.5; DB 10; Length 316;
  Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLH-APPPHAPQPPAASRSMFVALIGLGLQ 59
DB 1 MRRASRDYTKYLRGSEEMGGPGVPHEGLHPAPSAPAPAPPPAASRSMFVALIGLGLQ 60

QY 60 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPDFTTLESQDTKLPDSCRRI 119
DB 61 VCSIALFLYFRAQMDPNRISDGTCHCIYRILRLHENAGDSTLSESDT--LPDSCRRM 118

QY 120 KQAFQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGS 179

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Db 119 KQAFQAVQKELQHVGPQRFSGAPAMMEGSLDVAQRKPEAQPPFAHLLTINAASIPSGS 178  
 QY 180 HKVLSLSSWYHDRGWAKISNMFTSGNKLIVNQDGFYLYANICFRHHETSGDLATEYLQLM 239  
 Db 179 HKVTLSSWYHDRGWAKISNMFTSLNGKLRVNDGFYLYANICFRHHETSGSVPTDYQLM 238  
 QY 240 VYTKTSIKIPSSHTLMKGGSTKYWGSNBEFHFYSINVGGFFKLRSGEISIEVSNPSLL 299  
 Db 239 VYVVKTSIKIPSSHNLKMGSTKYWGSNBEFHFYSINVGGFFKLRAGEEISIQVSNPSLL 298  
 QY 300 DPQDATYFGAFKVRDID 317  
 Db 299 DPQDATYFGAFKVRDID 316

RESULT 13  
 US-09-873-829-4  
 ; Sequence 4, Application US/09873829  
 ; Publication No. US20030185820A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Yongwon  
 ; Wong, Brian  
 ; Josien, Regis  
 ; Steinman, Ralph

TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING SAM METHODS OF USE THEREOF

NUMBER OF SEQUENCES: 18  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Klauber & Jackson  
 STREET: 411 Hackensack Avenue, 4th Floor  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/873,829  
 FILING DATE: 04-Jun-2001  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/210,115  
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
 NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-200 CIP N  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1684  
 TELEX: 133521

INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 316 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Query Match 84.1%; Score 1417.5; DB 10; Length 316;  
 Best Local Similarity 84.3%; Pred. No. 1.5e-129;  
 Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

QY 1 MRRASRDYTKYLRSEEMGGGPGAPHEGPLH-APPPAPHPAPPAASRSMFVALLGLGQ 59  
 Db 1 MRRASRDYTKYLRSEEMGGGPGVPHEGPLHAPAPAPPPAPPAASRSMFVALLGLGQ 60  
 QY 60 VVCSVALFFYFRAQMDPNRISEDGTHCYRILRLHENADFQDTTLESQTKLIPDSCRRI 119

Db 61 VVCSIALFLYFRAQMDPNRISEDGTHCYRILRLHENAGLDSTLESDT--LPDSCRM 118  
 QY 120 KQAFQAVQKELQHVGSQHRAEKAMVDGSLDLAKESKLEAQPPFAHLLTINAASIPSGS 179  
 Db 119 KQAFQAVQKELQHVGPQRFSGAPAMMEGSLDVAQRKPEAQPPFAHLLTINAASIPSGS 178  
 QY 180 HKVLSLSSWYHDRGWAKISNMFTSGNKLIVNQDGFYLYANICFRHHETSGDLATEYLQLM 239  
 Db 179 HKVTLSSWYHDRGWAKISNMFTSLNGKLRVNDGFYLYANICFRHHETSGSVPTDYQLM 238  
 QY 240 VYTKTSIKIPSSHTLMKGGSTKYWGSNBEFHFYSINVGGFFKLRSGEISIEVSNPSLL 299  
 Db 239 VYVVKTSIKIPSSHNLKMGSTKYWGSNBEFHFYSINVGGFFKLRAGEEISIQVSNPSLL 298  
 QY 300 DPQDATYFGAFKVRDID 317  
 Db 299 DPQDATYFGAFKVRDID 316

RESULT 14  
 US-10-017-910-4  
 ; Sequence 4, Application US/10017910  
 ; Publication No. US20020159970A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Yongwon  
 ; Wong, Brian  
 ; Josien, Regis  
 ; Steinman, Ralph

TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING METHODS OF USE THEREOF

NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Klauber & Jackson  
 STREET: 411 Hackensack Avenue, 4th Floor  
 CITY: Hackensack  
 STATE: New Jersey  
 COUNTRY: USA  
 ZIP: 07601

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/017,910  
 FILING DATE: 14-Dec-2001  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/447,035  
 FILING DATE: 1999-11-22

ATTORNEY/AGENT INFORMATION:  
 NAME: Jackson Esq., David A.  
 REGISTRATION NUMBER: 26,742  
 REFERENCE/DOCKET NUMBER: 600-1-200  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-487-5800  
 TELEFAX: 201-343-1684  
 TELEX: 133521

INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 316 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Query Match 84.1%; Score 1417.5; DB 13; Length 316;  
 Best Local Similarity 84.3%; Pred. No. 1.5e-129;  
 Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

Search completed: March 18, 2004, 06:59:09  
Job time : 46 secs

Query Match	84.1%	Score 1417.5;	DB 14;	Length 316;
Best Local Similarity	84.3%	Pred. No. 1.5e-129;		
Matches 268;	Conservative	16;	Mismatches 31;	Indels 3;
				Gaps 2;

QY	1	MRRARDYTKYLRGSEENGGGFGAPHEGPIUH-APP	PPAPHPQPPAASRSMFVALLGLGQ	59		
Db	1	MRRARDYTKYLRGSEENGGGFGVHEGPIUHAPAP	APPAPPAASRSMFVALLGLGQ	60		
QY	60	VVCSVALFFYFRAQMDPNRI	GEDGTHCIYRILRHENADQDITLESQDKLIPDSCRI	119		
Db	61	VVCSVALFFYFRAQMDPNRI	SEDSTHCFYRILRHENAGLDSTLEBUT--LPDSCRM	118		
QY	120	KQAFGAVQKELQHI	VGSOHTRASKAMVDGSGWLDLAKRSKLEAQPFAHITINATIPSGS	179		
Db	119	KQAFGAVQKELQHI	VGSPQRFSGAPAMWEGSWLDVAQRGPEAQPFAHITINAAIPSGS	178		
QY	180	HKVSISSWYTHDRGWAKISNMT	FSNGKLI	VNQDGFYLYANI	CFRHHETSGDLATYLOLM	239
Db	179	HKVTLSSWYTHDRGWAKISNMT	LSNGKLR	VNQDGFYLYANI	CFRHHETSGSVPTDYLOLM	238
QY	240	VYVTKTSIKIPSSHTLMKGSTKY	WGSNSFEHYS	INVGGFFKLRSGBEISTEVSNP	299	
Db	239	VYVTKTSIKIPSSHNLMKGSTKW	GSNSFEHYS	INVGGFFKLRSGBEISTEVSNP	298	
QY	300	DPQDATYFGAFKVRD	ID	317		
Db	299	DPQDATYFGAFKVRD	ID	316		